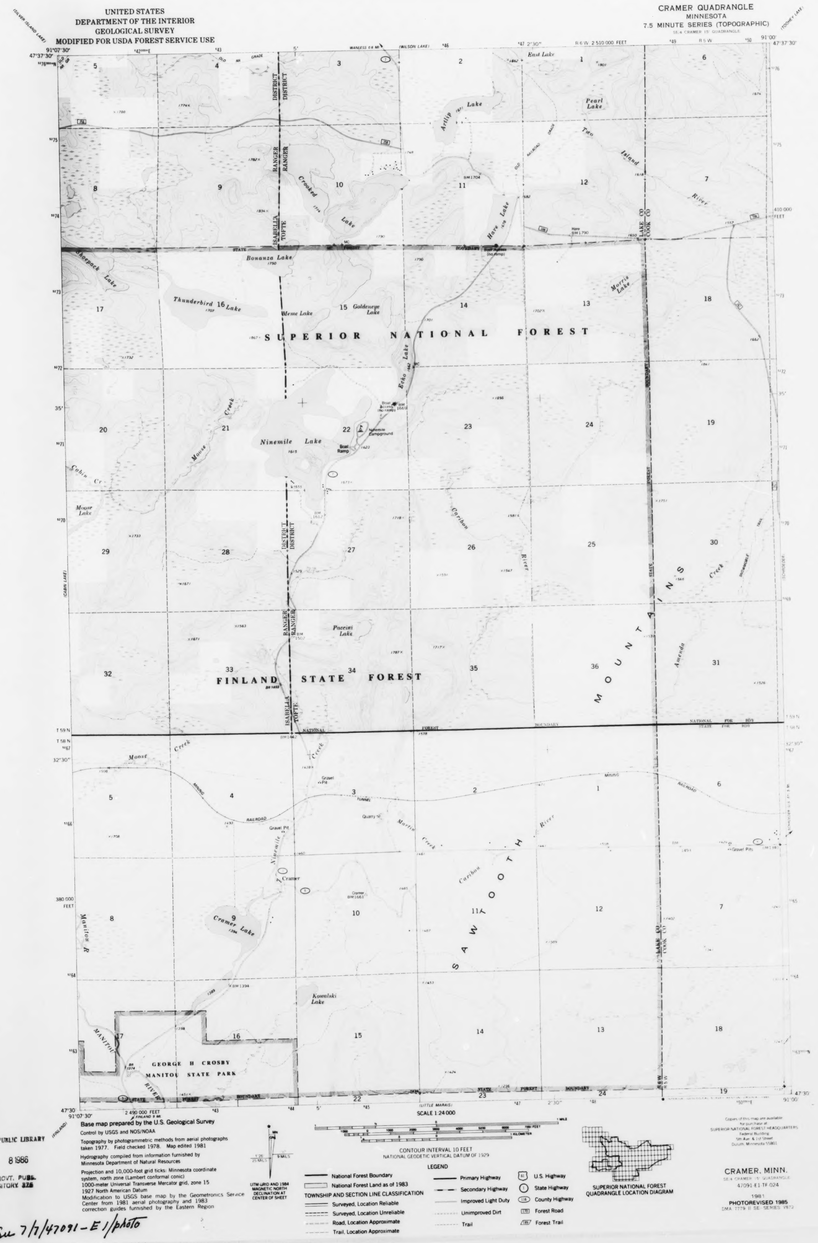

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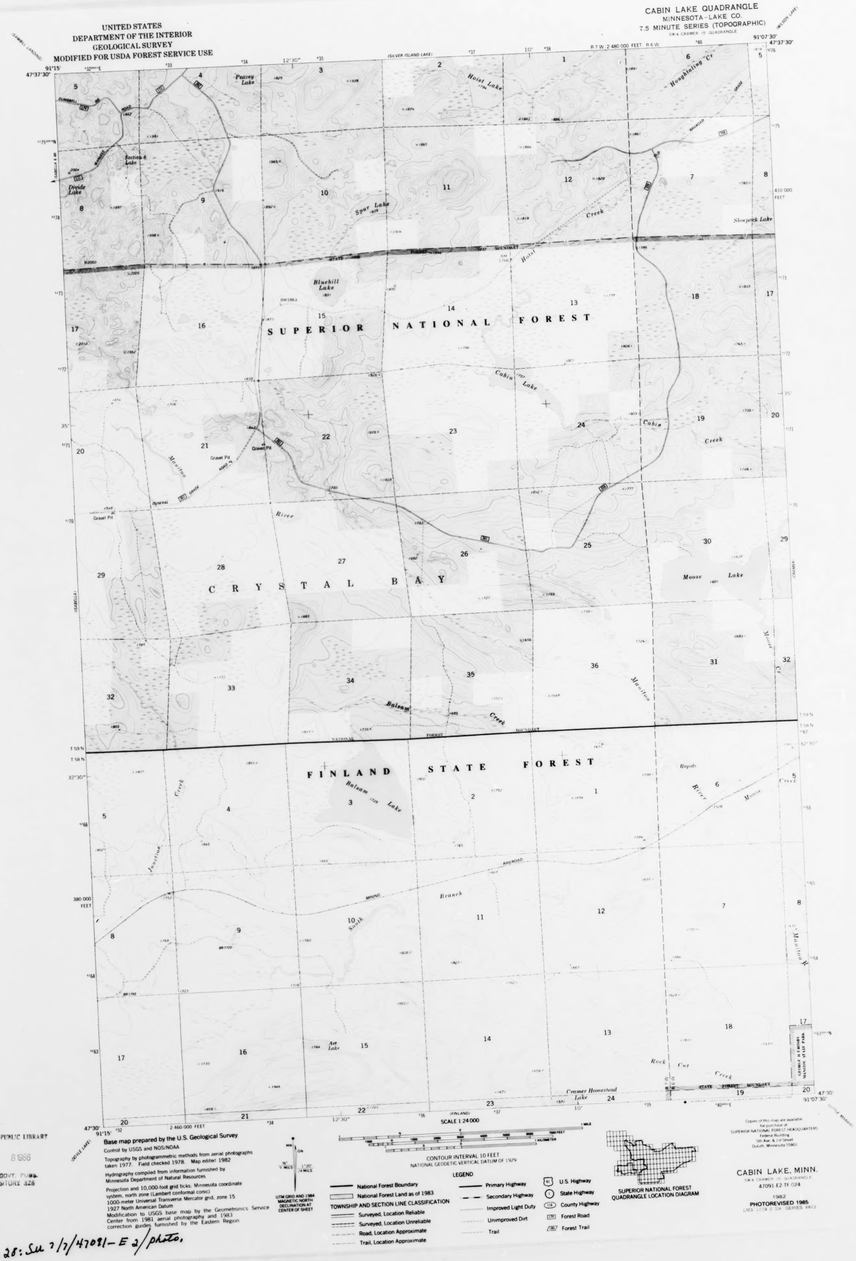

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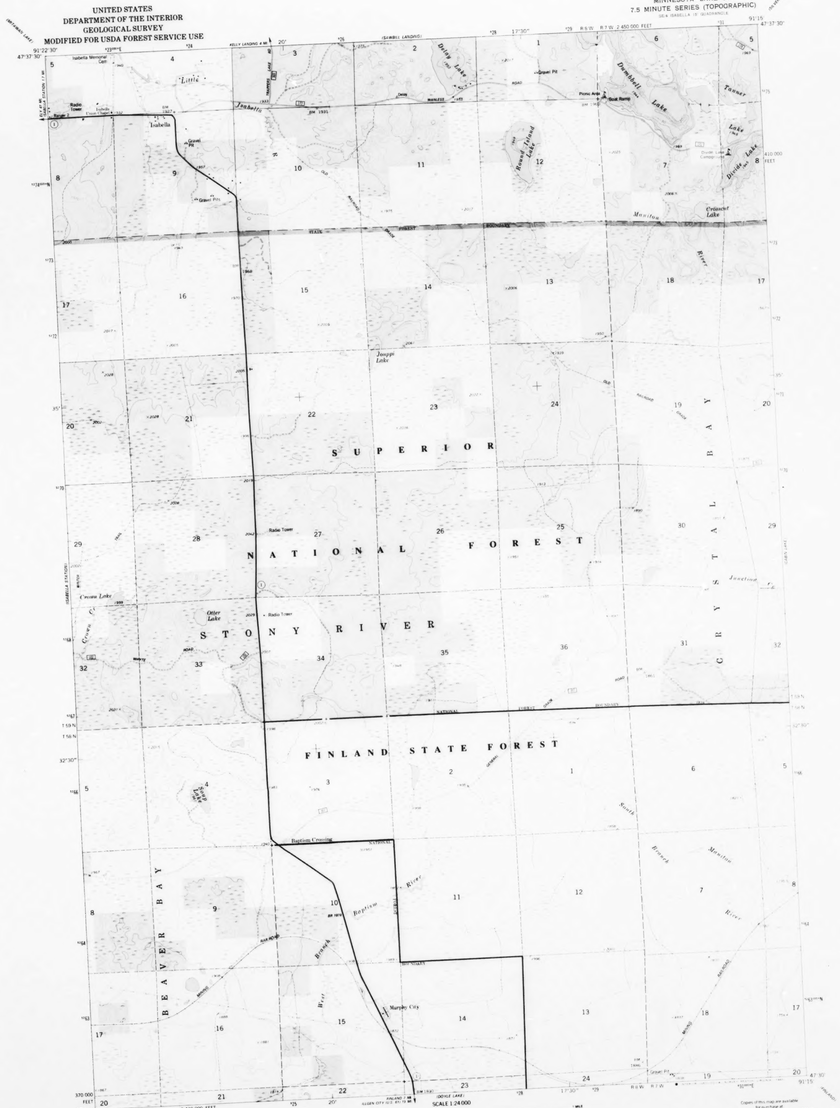
UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
MODIFIED FOR USDA FOREST SERVICE USE

ISABELLA QUADRANGLE
MINNESOTA - LAKE CO.
7.5 MINUTE SERIES (TOPOGRAPHIC)



SCALE 1:24 000

CONTOUR INTERVAL 10 FEET
NATIONAL GEODETIC VERTICAL DATUM OF 1929

Base map prepared by the U.S. Geological Survey
Control by USGS and NOS/NOAA
Topography by photogrammetric methods from aerial photographs taken 1977. Field checked 1978. Map edited 1981
Hydrography compiled from information furnished by Minnesota Department of Natural Resources
Projection and 10,000-foot grid ticks: Mercator coordinate system, north zone (Lambert conformal conic)
1000-meter Universal Transverse Mercator grid, zone 15
1927 North American Datum
Modification to USGS base map by the Geomorphics Service Center from 1981 aerial photography and 1983 correction glooters furnished by the Eastern Region

LEGEND
National Forest Boundary
National Forest Land as of 1983
TOWNSHIP AND SECTION LINE CLASSIFICATION
Surveyed, Location Reliable
Surveyed, Location Unreliable
Road, Location Approximate
Trail, Location Approximate
Primary Highway
Secondary Highway
Improved Light Duty
Unimproved Dirt
Trail
U.S. Highway
State Highway
County Highway
Forest Road
Forest Trail

SUPERIOR NATIONAL FOREST
QUADRANGLE LOCATION DIAGRAM

ISABELLA, MINN.
SE ISABELLA 15' QUADRANGLE
47091-E3-TF-024
1981
PHOTOREVISED 1985
DMA 7178 SE SERIES V872

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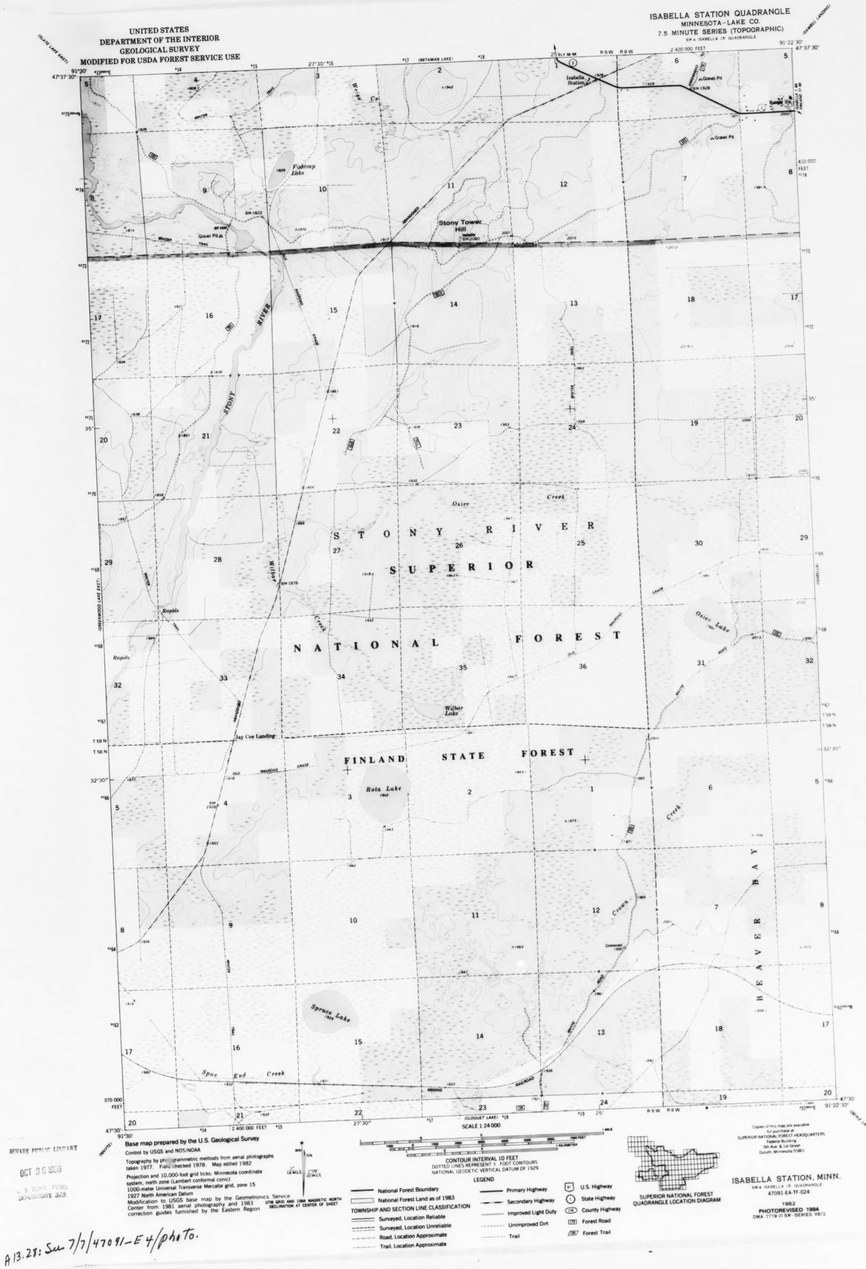

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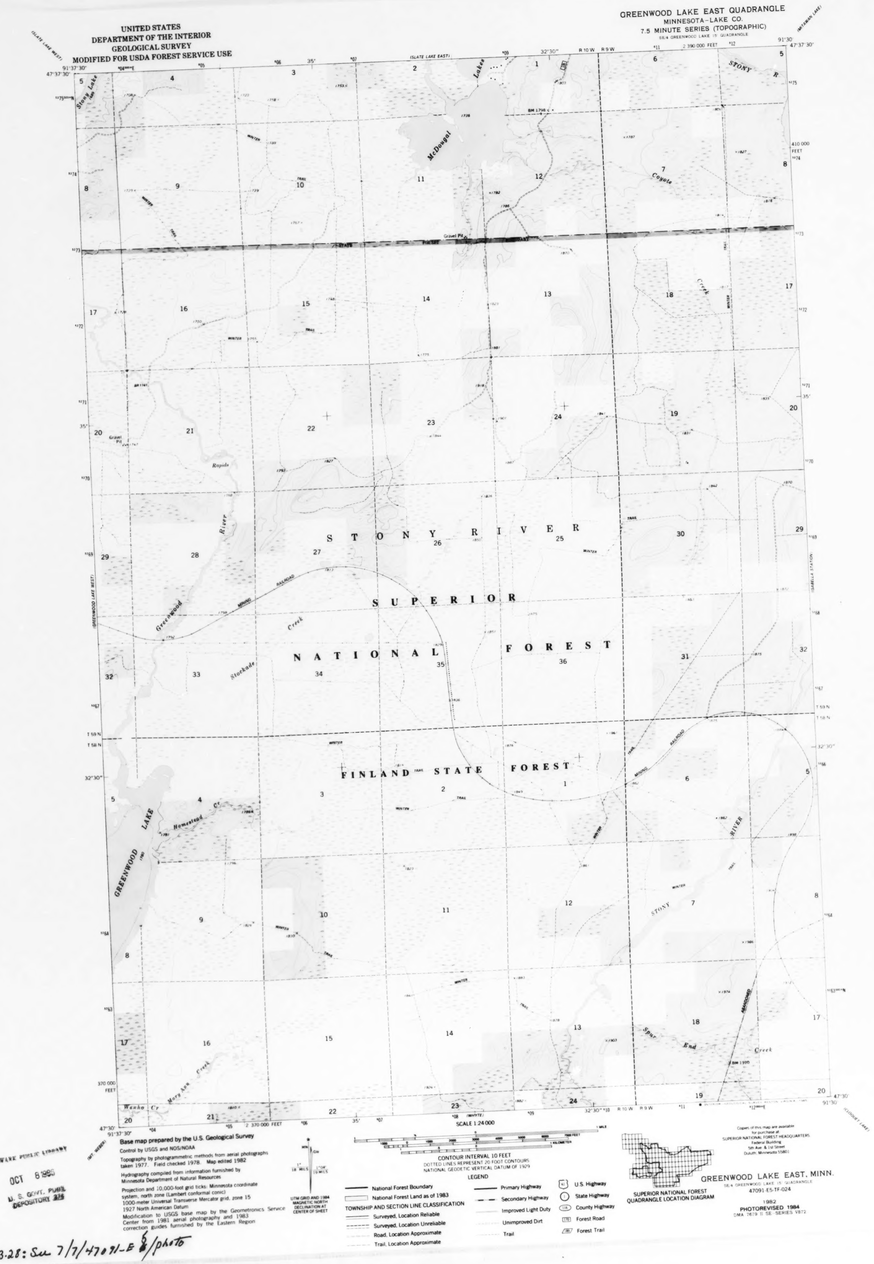
UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
MODIFIED FOR USDA FOREST SERVICE USE
GREENWOOD LAKE EAST QUADRANGLE
MINNESOTA-LAKE CO.
7.5 MINUTE SERIES (TOPOGRAPHIC)
STONY RIVER
SUPERIOR
NATIONAL FOREST
FINLAND STATE FOREST
GREENWOOD LAKE
McDougal Lake
Slate Lake
Greenwood Creek
Sturtevant Creek
Crystal River
Wanka Cr
Mary Ann Creek
Rogde River
Base map prepared by the U.S. Geological Survey
Control by USGS and NOS/NOAA
Topography by photogrammetric methods from aerial photographs taken 1977. Field checked 1978. Map edited 1982
Hydrography compiled from information furnished by Minnesota Department of Natural Resources
Projection and 10,000-foot grid ticks: Minnesota coordinate system, north zone (Lambert conformal conic)
1000-meter Universal Transverse Mercator grid, zone 15
1927 North American datum
To place on the older 1929 datum shift data by the Geomatronics Service Center from USGS aerial photography and 1983 corrector grides furnished by the Eastern Region
SCALE 1:24 000
CONTOUR INTERVAL 10 FEET
DOTTED LINES REPRESENT 20 FOOT CONTOURS
NATIONAL GEODETIC VERTICAL DATUM OF 1929
LEGEND
National Forest Boundary
National Forest Land as of 1983
TOWNSHIP AND SECTION LINE CLASSIFICATION
Surveyed, Location Reliable
Surveyed, Location Unreliable
Road, Location Approximate
Trail, Location Approximate
Primary Highway
Secondary Highway
Improved Light Duty
Unimproved Dirt
Trail
U.S. Highway
State Highway
County Highway
Forest Road
Forest Trail
SUPERIOR NATIONAL FOREST
QUADRANGLE LOCATION DIAGRAM
GREENWOOD LAKE EAST, MINN.
47091-E5-TF-024
1982
PHOTOREVISED 1984
DMA 7619 II SE-SERIES V812

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DEPARTMENT OF THE INTERIOR
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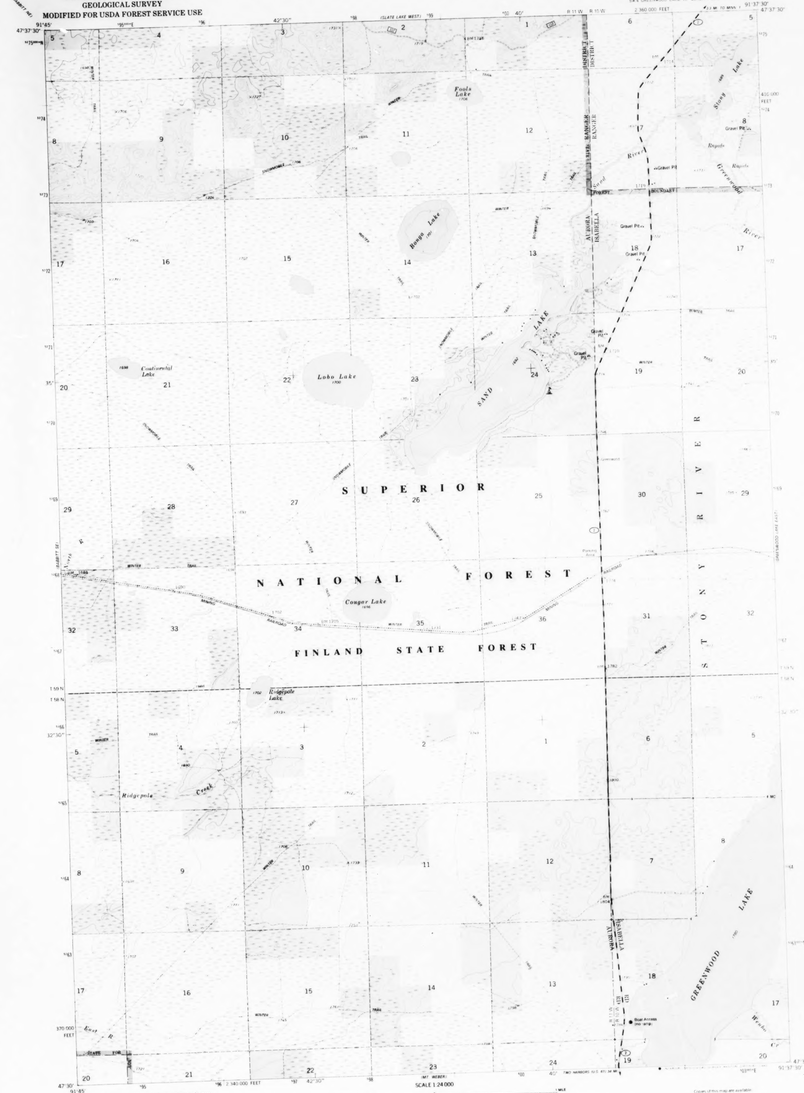
GREENWOOD LAKE WEST QUADRANGLE

MINNESOTA - LAKE CO.

7.5 MINUTE SERIES (TOPOGRAPHIC)



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Base map prepared by the U.S. Geological Survey
Control by USGS and NOS/NOAA
Topography by photogrammetric methods from aerial photographs taken 1977. Field checked 1978. Map edited 1982
Hydrography compiled from information furnished by Minnesota Department of Natural Resources
Projection and 10,000-foot grid ticks: Minnesota coordinate system, north zone (Lambert conformal conic)
1000-meter Universal Transverse Mercator grid, zone 15
1927 North American Datum
Modification to USGS base map by the Geometronics Service Center from 1981 aerial photography and 1983 correction guides furnished by the Eastern Region

LEGEND

- National Forest Boundary
- National Forest Land as of 1983
- TOWNSHIP AND SECTION LINE CLASSIFICATION
- Surveyed, Location Reliable
- Surveyed, Location Unreliable
- Road, Location Approximate
- Trail, Location Approximate
- Primary Highway
- Secondary Highway
- Improved Light Duty
- Unimproved Dirt
- Trail
- U.S. Highway
- State Highway
- County Highway
- Forest Road
- Forest Trail

SUPERIOR NATIONAL FOREST
QUADRANGLE LOCATION DIAGRAM

GREENWOOD LAKE WEST, MINN.

47091-E8-TF-024

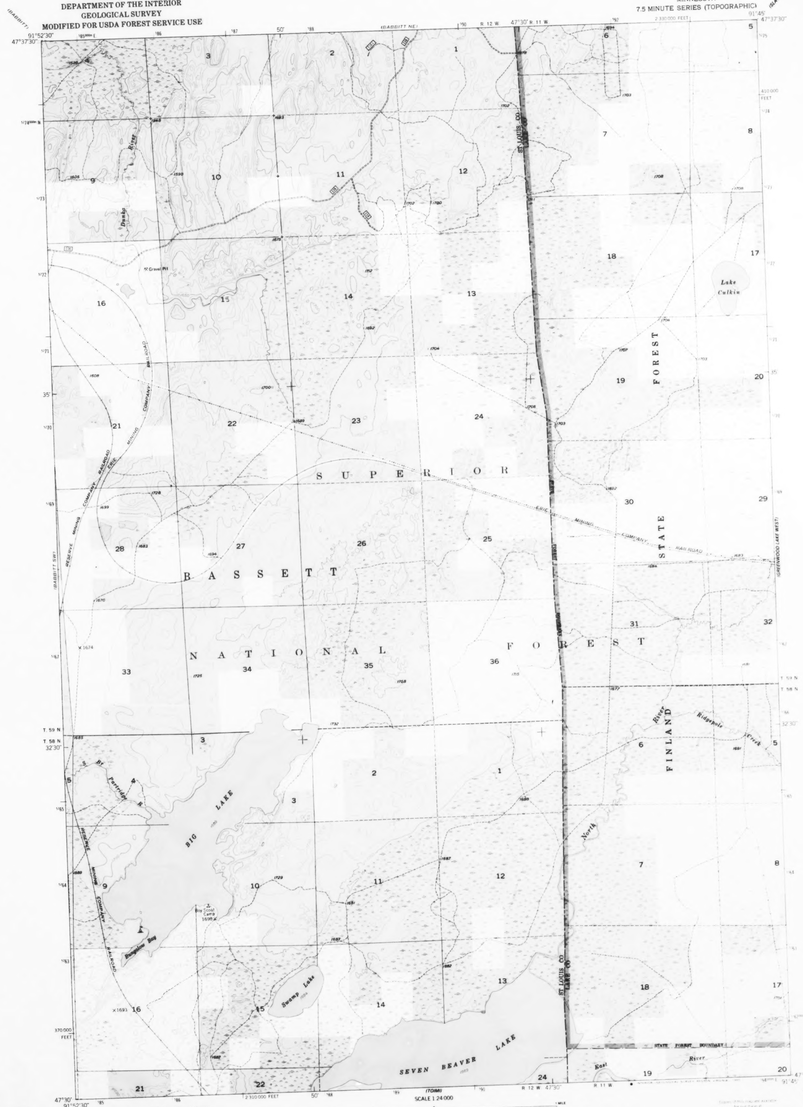
1982

PHOTOREVISED 1984

A13-28: Sec. 7/7/47 071-E 6/photo

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
MODIFIED FOR USDA FOREST SERVICE USE

BABBITT SE QUADRANGLE
MINNESOTA
7.5 MINUTE SERIES (TOPOGRAPHIC)



Base map prepared by the U.S. Geological Survey
Control by USGS and NOS / NOAA
Topography from aerial photographs by Kelsh plotter
Aerial photographs taken 1947 Field check 1952
Polyconic projection. 1927 North American Datum
10,000-foot grid based on Minnesota coordinate system, north zone
Dashed land lines indicate approximate locations
1000-meter Universal Transverse Mercator grid ticks, zone 15, shown in blue
Modification to USGS base map by the Geocartronics Service Center from 1983 aerial photography and 1983 ground control by the Eastern Region

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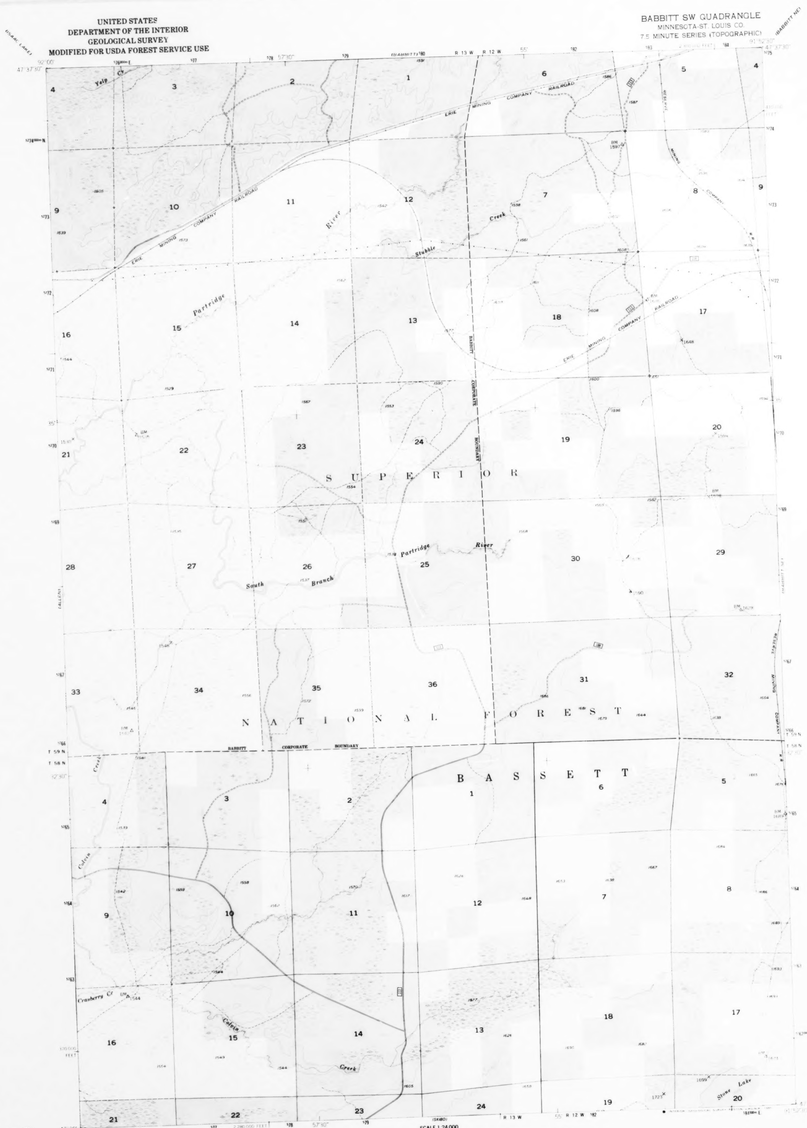
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
MODIFIED FOR USDA FOREST SERVICE USE

BABBITT SW QUADRANGLE
MINNESOTA-ST. LOUIS CO.
7.5 MINUTE SERIES (TOPOGRAPHIC)



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DEPOSITORY ITEM

Base map prepared by the U.S. Geological Survey

Control by USGS and NOS / NOAA

Topography from aerial photographs by multiplex methods
Aerial photographs taken 1947 Field check 1951

Polyconic projection. 1927 North American Datum
10,000 foot grid based on Minnesota coordinate system, north zone

Dashed land lines indicate approximate locations

Unchecked elevations are shown in brown

1000-meter Universal Transverse Mercator grid ticks, zone 15, shown in blue

Modification to USGS base map by the Geometronics Service Center from 1981 aerial photography and 1983 ground control furnished by the Eastern Region

SCALE 1:24 000

CONTOUR INTERVAL 10 FEET
NATIONAL GEODETIC VERTICAL DATUM OF 1929

LEGEND

TOWNSHIP AND SECTION LINE CLASSIFICATION
- National Forest Boundary
- National Forest Land as of 1983
- Surveyed, Location Reliable
- Surveyed, Location Unreliable
- Road, Location Approximate
- Trail, Location Approximate
- Primary Highway
- Secondary Highway
- Improved Light Duty
- Unimproved Dirt
- Trail
- U.S. Highway
- State Highway
- County Highway
- Forest Road
- Forest Trail

UTM GRID AND 1986 MAGNETIC NORTH DECLINATION AT CENTER OF SHEET

SUPERIOR NATIONAL FOREST QUADRANGLE LOCATION DIAGRAM

Copies of this map are available from Chief of SUPERIOR NATIONAL FOREST HEADQUARTERS Federal Building Duluth, Minnesota 55802

BABBITT SW, MINN.
47091-E8-TF-024
1951
PHOTOREVISED 1984
DMA 7618 SE-SW SERIES V872

A13.28: Sw 7/7/470 81
E81/photo